Panasonic

Operating Instructions
Plasma Television

Model No. **TH-42PV60A**
TH-50PV60A

VIERA

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

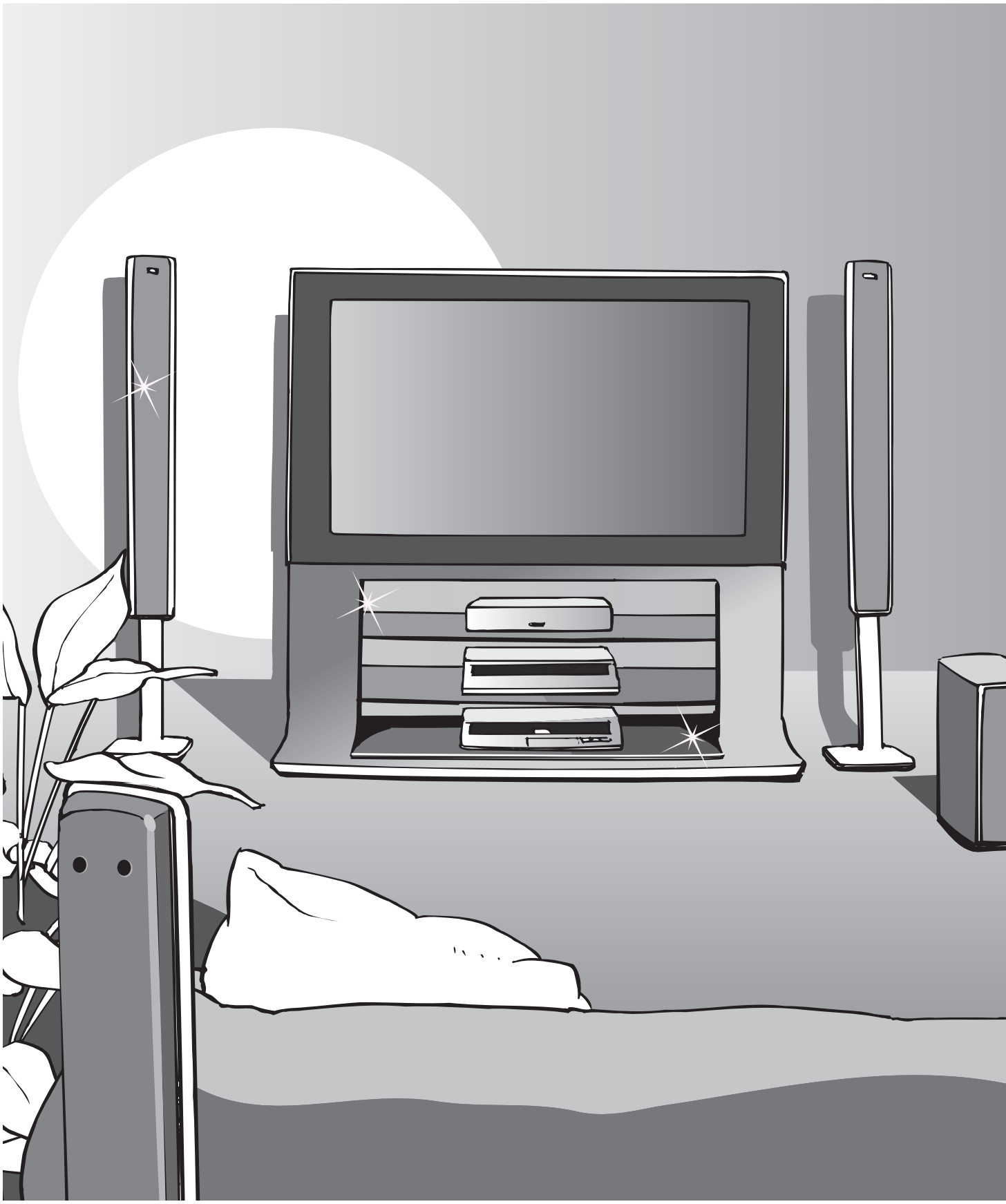
English

Please read these instructions before operating your set and retain them for future reference.
The images shown in this manual are for illustrative purposes only.

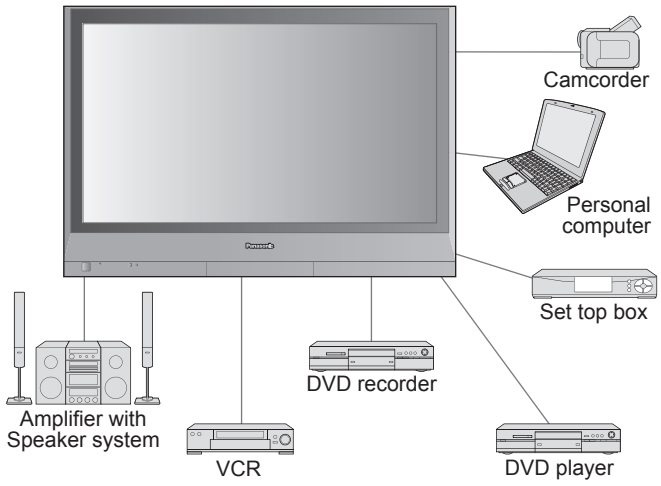
TQBC2089-2

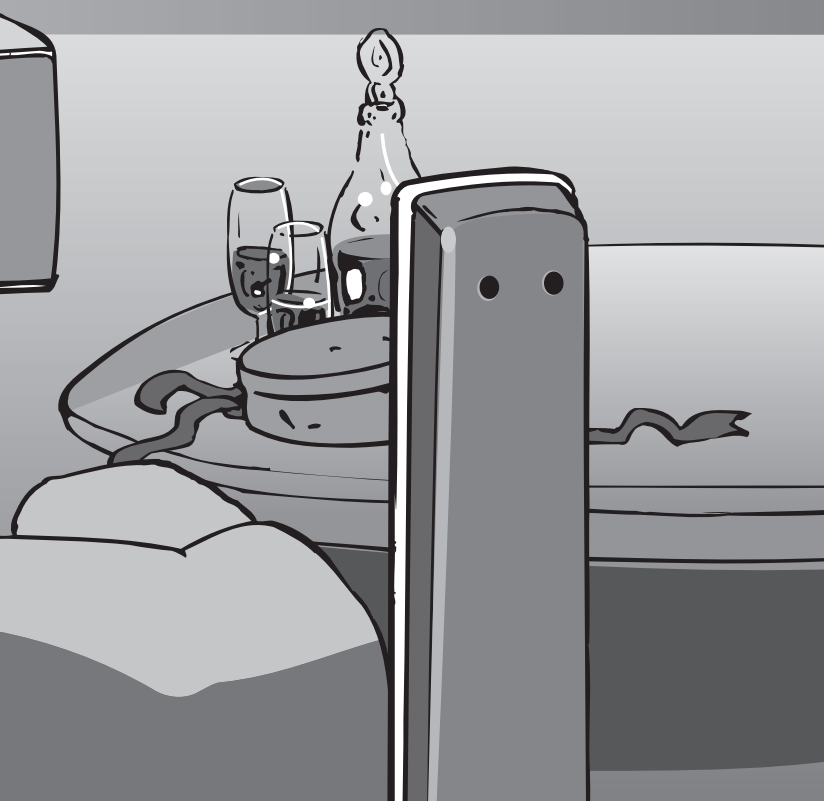
Turn your own living room into a movie theatre!

Experience an amazing level of multi-



media excitement





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Enjoy your TV!

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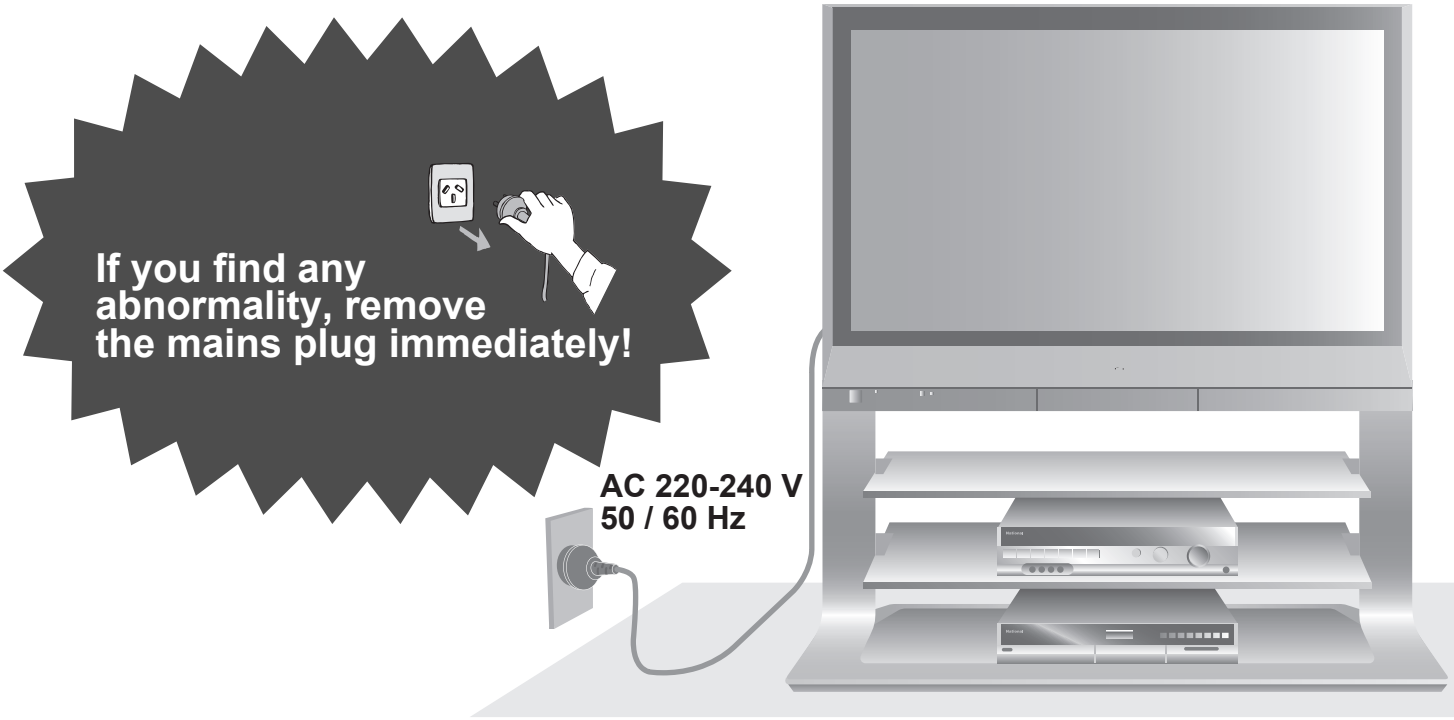
Safety Precautions

Warning

Handling the mains plug and lead

- Insert the mains plug fully into the socket outlet. (If the mains plug is loose, it could generate heat and cause fire.)
- Ensure that the mains plug is easily accessible.
- Ensure the grounding pin on the mains plug is securely connected to prevent electrical shock.
- Do not touch the mains plug with a wet hand. (This may cause electrical shock.)
- Do not damage the mains lead. (A damaged lead may cause fire or electrical shock.)
  - Do not move the TV with the lead plugged in the socket outlet.
  - Do not place a heavy object on the lead or place the lead near a high-temperature object.
  - Do not twist the lead, bend it excessively, or stretch it.
  - Do not pull on the lead. Hold onto the mains plug body when disconnecting lead.
  - Do not use a damaged mains plug or socket outlet.



Do not remove covers NEVER modify the unit yourself

(High-voltage components may cause serious electrical shock.)

- Have the unit checked, adjusted, or repaired at your local Panasonic dealer.

Do not place foreign objects inside the unit

- Do not let metal or flammable objects drop into the unit through the air vents (fire or electrical shock may result).

Do not expose to direct sunlight and other sources of heat

- Avoid exposing the TV set to direct sunlight and other sources of heat. To prevent fire never place any type of candle or naked flame on top or near the TV set.

Keep liquids away from the TV

- To prevent damage which may result in fire or shock hazard, do not expose this appliance to dripping or splashing.
- Do not place containers with water (flower vase, cups, cosmetics, etc.) above the set. (including on shelves above, etc.)

■Do not place the TV on an unstable surface

■Use only the dedicated stands / mounting equipment

- Using an unauthorized stand or other fixtures may make the unit shaky, risking injury. Be sure to ask your local Panasonic dealer to perform setup.
- Use optional stands / mounts (p. 6).

Notes

Caution

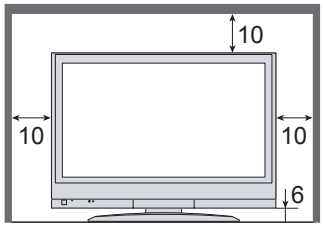
■When cleaning the TV unit, remove the mains plug

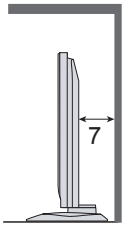
(Cleaning an energized unit may cause electrical shock.)

■When TV will not be used for a long time, remove the mains plug

- This TV will still consume some power even in the Off mode, as long as the mains plug is still connected to a live socket outlet.

■Allow sufficient space around the unit for radiated heat





(cm)

■Do not block the rear air vents

- Blocked ventilation by curtains, etc. may cause overheating, fire or electrical shock.

Remember not to keep still pictures on the screen for extended lengths of time

Such still pictures cause after-images on the plasma screen if they are displayed for a long time. These after-images are not considered malfunctions and are not covered by the warranty.

Typical still images

- Channel number and unique logos
- Image displayed in 4:3 mode
- Video game
- Computer image

To decrease the chance of after-images, a screen saver will be automatically activated after a few minutes if there is no signal and if there is no operation in AV mode. (p. 28)
The screen saver will be automatically deactivated when a signal is detected or an operation is executed.

■Keep the unit away from these equipment

- Electronic equipment
  In particular, do not place video equipment near the unit (electromagnetic interference may distort images / sound).
- Equipment with an infrared sensor
  This TV also emits infrared rays (this may affect operation of other equipment).

Maintenance

First, remove the mains plug from the socket outlet.

Display panel

Regular care: Gently wipe the surface clean of dirt by using a soft cloth.
Major contamination: Wipe the surface clean using a soft cloth dampened with clean water or water containing a small amount of neutral detergent. Then, using a soft dry cloth, evenly wipe the surface clean until it is dry.

Caution

- The surface of the display panel has been specially treated and may be easily damaged.
  Do not tap or scratch the surface with your fingernail or other hard object.
- Use care not to subject the surface to bug repellent, solvent, thinner, or other volatile substances (this may degrade surface quality).

Cabinet

Regular care: Wipe the surface clean using a soft dry cloth.
Major contamination: Dampen a soft cloth with clean water or water containing a small amount of neutral detergent. Then, wring the cloth and wipe the surface clean with it. Finally, wipe the surface clean with a dry cloth.

Caution

- Use care not to subject the TV unit's surfaces to detergent.
  (A liquid inside the TV unit could lead to product failure.)
- Use care not to subject surfaces to bug repellent, solvent, thinner, or other volatile substances (this may deteriorate the surface by peeling the paint).
- Do not allow the cabinet to make contact with a rubber or PVC substance for a long time.

Mains plug

Wipe the mains plug with a dry cloth at regular intervals. (Moisture and dust may lead to fire or electrical shock.)

Accessories / Options

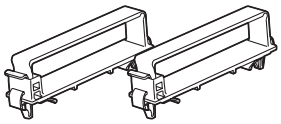
Standard accessories

Check that you have the accessories and items shown ☑

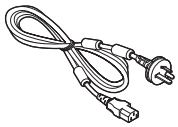
- ☐ Remote Control Transmitter
  - ● N2QAJB000121

- ☐ Batteries for the Remote Control Transmitter (2)
  - ● R6 (AA)

- ☐ Operating Instructions
- ☐ Guarantee
- ☐ Clamper (2)

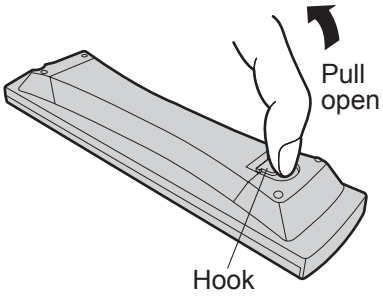


- ☐ Mains Lead

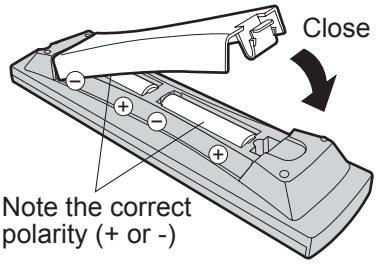


Installing remote's batteries

1



2

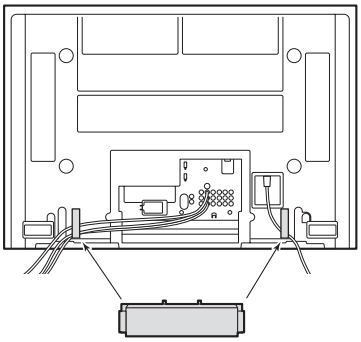


Caution

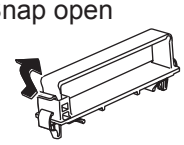
- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control unit.
- Do not mix old and new batteries.
- Do not mix different battery types (such as alkaline and manganese batteries).
- Do not use rechargeable (Ni-Cd) batteries.
- Do not burn or breakup batteries.

Attaching the cable clampers

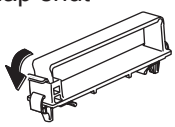
Rear of the TV



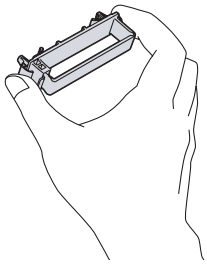
Snap open



Snap shut



Remove from the TV unit



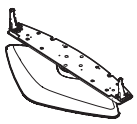
Push both side hooks and pull out

- Do not bundle the RF cable and mains lead together (could cause distorted image).
- Fix cables with clampers as necessary.
- When using the optional accessory, follow the option's assembly manual to fix cables.

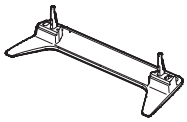
Optional accessories

Pedestal

- TY-ST42P600W (TH-42PV60A)
- TY-ST50P600W (TH-50PV60A)

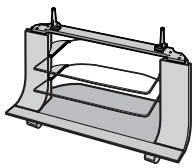


- TY-ST42P60W (TH-42PV60A)
- TY-ST50P60W (TH-50PV60A)



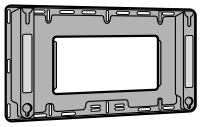
Plasma TV stand

- TY-S42PX60W (TH-42PV60A)
- TY-S50PX60W (TH-50PV60A)



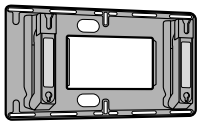
Wall-hanging bracket (vertical)

- TY-WK42PV3W

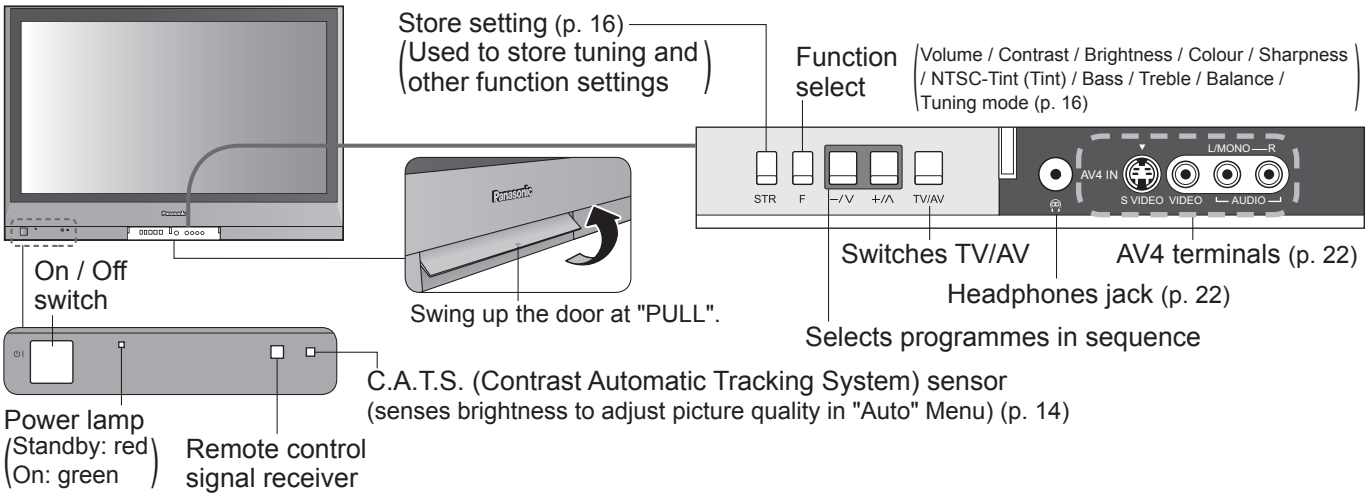


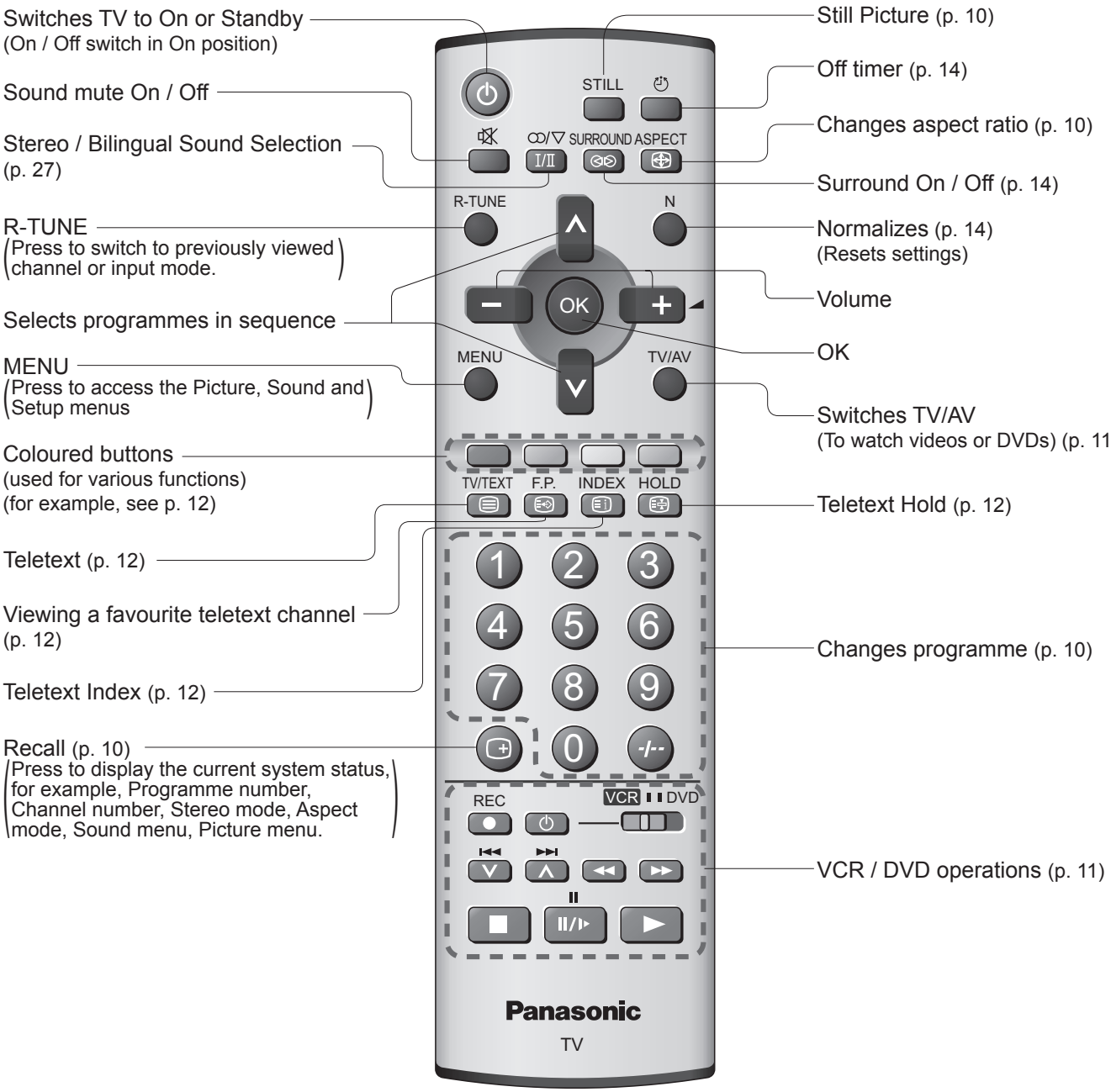
(angle)

- TY-WK42PR2W



Identifying Controls

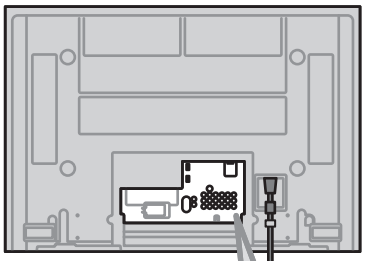




Connection

External equipments and cables shown in this manual are not supplied with this TV.
Please ensure that the unit is disconnected from the mains before attaching or disconnecting any leads.

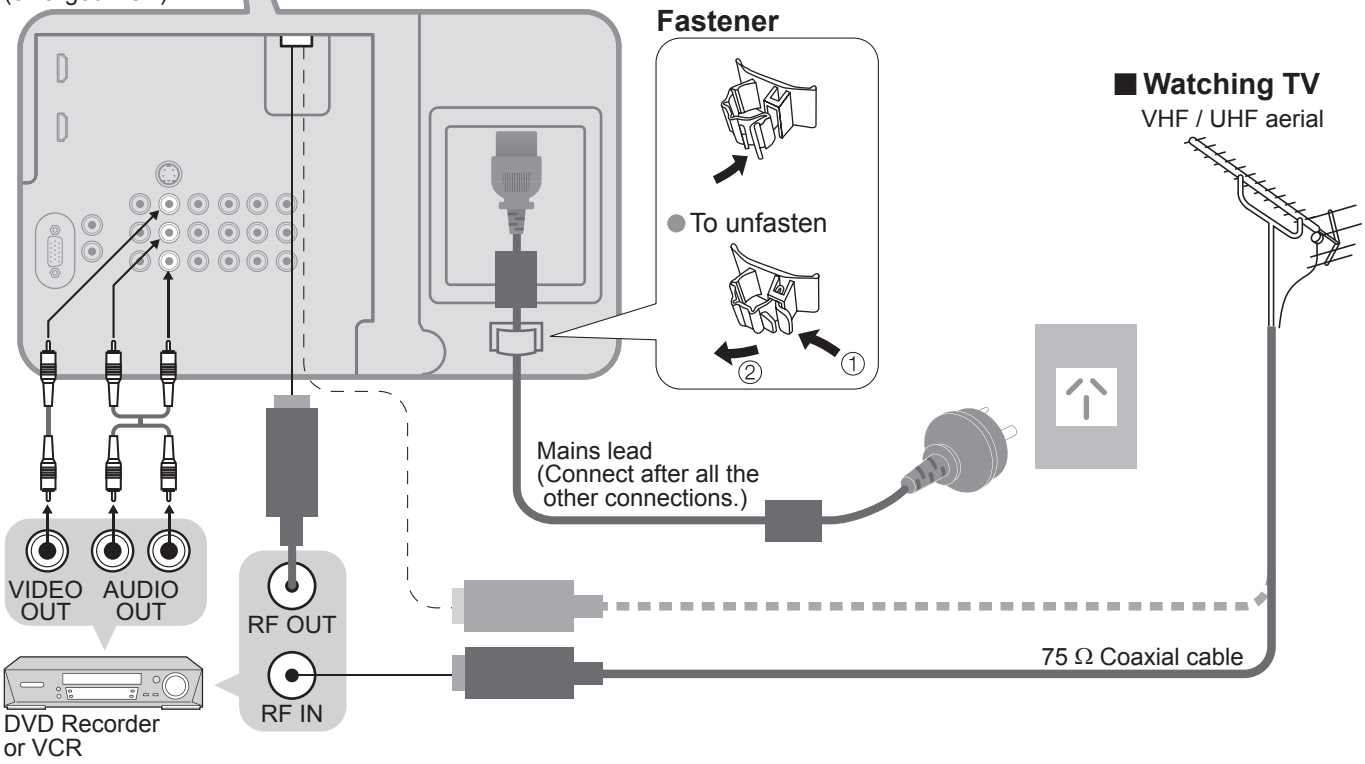
Rear of the TV



Note

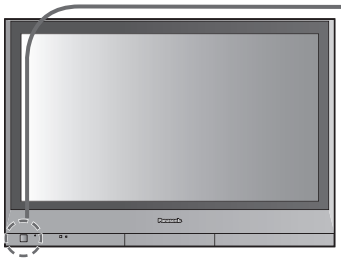
- Do not put the Coaxial cable close to the mains lead to avoid noise.
- Do not place the Coaxial cable under the TV.
- To obtain optimum quality picture and sound, an Aerial, the correct cable (75 Ω coaxial) and the correct terminating plug are required.
- If a communal Aerial system is used, you may require the correct connection cable and plug between the wall Aerial socket and the TV.
- Your local Television Service Centre or dealer may be able to assist you in obtaining the correct Aerial system for your particular area and the accessories required.
- Any matters regarding Aerial installation, upgrading of existing systems or accessories required, and the costs incurred, are the responsibility of you, the Customer.

Rear terminal portion (enlarged view)



Initial Setup

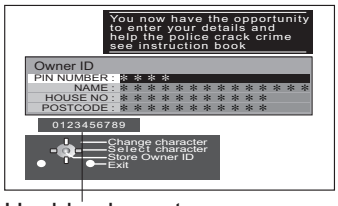
These steps are not necessary if the setup has been completed your local dealer.



1 Turn the TV On with the On / Off switch

- From now on you can use the remote control to turn On the unit or turn the unit to standby mode.

2 Input owner ID


You now have the opportunity to enter your details and help the police crack crime see instruction book
Owner ID
PIN NUMBER : * * * *
NAME : * * * * * * * * * * * * *
HOUSE NO : * * * * * * * * * * *
POSTCODE : * * * * * * * * * *
0123456789
Change character
Select character
Store Owner ID
Exit

Usable characters and numerals

Following the on-screen operation guide, enter your PIN number and name.

- For detailed procedures
  ➡"Owner ID" (p. 18)
- Make a note of the PIN number in case you forget it.

■ To input owner ID later

➡ TV/AV

- If you input the ID later
  ➡"Owner ID" (p. 18)

This TV has been pre-tuned in the factory to the following Australian TV channel.

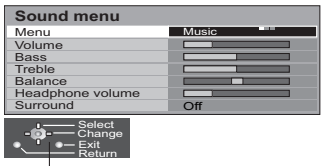
Programme No.	Channel No.
2	2
7	7
9	9
10	10
28	28
31	31

If your location does not receive these channels, perform "Auto Tuning" below.

Auto Tuning

Search and store TV channels automatically.

Need help with operations?
(example: Sound menu)

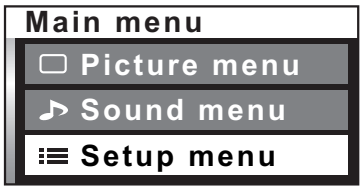


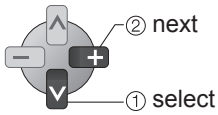
On-screen operation guide will help you.

1 Display the menu

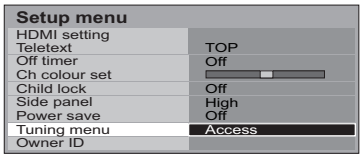
MENU

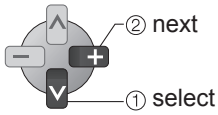
2 Select "Setup menu"





3 Select "Tuning menu"

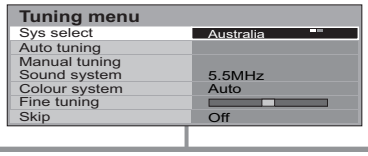


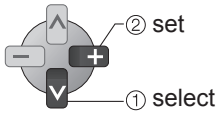


■ **To exit**

TV/AV

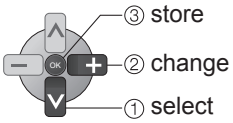
4 Select the function and set





① **Sys select** (System selection)

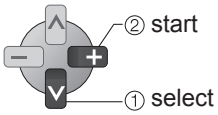
Select the system of your area.
(NZ/INDONES / Australia)

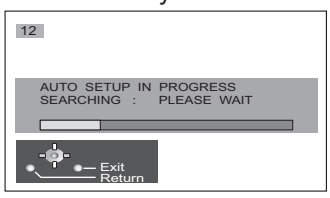


Sys select	REGION
NZ/INDONES	New Zealand, Indonesia, etc.
Australia	Australia

② **Auto tuning**

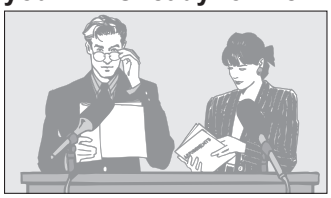
Automatically set the channels received in your area.





The TV will search for, locate, store and then sort into order your local stations.

Auto tuning is now complete and your TV is ready for viewing.



Once Auto tuning is completed the TV will display the programme now stored on programme position 1.

- If it is not the first time to perform Auto tuning, all previous tuning datas will be erased.
- The broadcast stations in each region ➡ "Channel Allocation" (p. 24)

Note

- If the image or sound is strange after Auto tuning, edit or adjust each channel ➡ "Sound system", "Colour system", "Fine tuning" (p. 16)
- If you want to skip the channels which have no tuning datas ➡ "Skip" (p. 16)

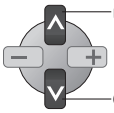
Watching TV

1 Turn power on

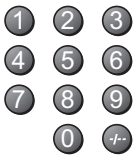
(for about 1 second)

- On / Off switch on unit should be On.

2 Select a programme number



or



You can select the numbers directly by pressing Programme Number button and the two digit numbers by pressing Two Digit and Programme Number buttons.

Programme Number 8 8
Programme Number 12.... -/--, 1, 2

■ **Other Useful Functions** (Operate after 2)

Hold

Freeze / unfreeze picture

STILL

Display status information

Display / hide status information

Press once to activate and press again to clear on screen display information.

- Displayed information:
  For example, Programme number, Channel number, Stereo mode, Aspect mode, Sound menu, Picture menu.

Change aspect ratio

Change the aspect ratio (p. 25)

ASPECT

- Each press changes the mode.
  (16:9 / 14:9 / Just / 4:3 / 4:3 Full (HD signal only) / Zoom1 / Zoom2 / Zoom3)
- While the bar is displayed ➡ red green

Watching Videos and DVDs

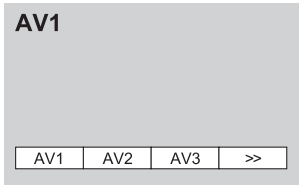
It is possible to connect a variety of external equipment to the TV unit. Once the equipment is connected, use the following procedure to view the input. To connect the equipment (p. 22)

1 With the equipment turned On

Select the external input

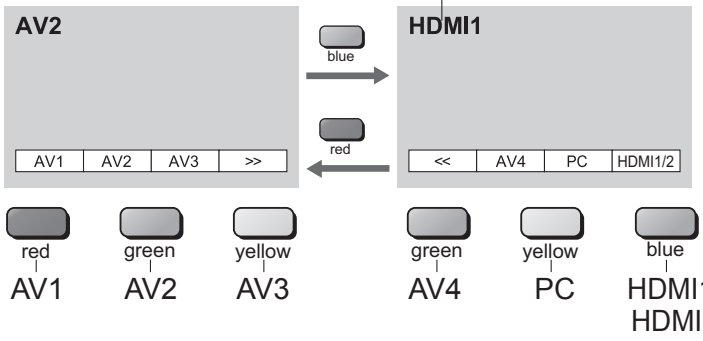
TV/AV

(AV mode screen)



2 **Select the connector connected to the equipment**

Displays the selected connector



● example: AV1 ➡ red PC ➡ blue ➡ yellow

Some Panasonic VCR and DVD equipment connected to the TV unit can be directly operated with the remote control.

■ **Remote control setting**

① Switch to select VCR or DVD ➡ VCR DVD

② Press and hold ⏻ while operating ② ➡ Enter the manufacturer code (two digit code) 1 2 3 4 5 6 7 8 9 0 ➡ Press ■

VCR

Manufacturer	Code
Panasonic / National	10,11,12,13

DVD

Manufacturer	Code
Panasonic	70, 71

- After setting, execute operation confirmation. If there is no operation, set a different code.
- The respective VCR / DVD code is cancelled when battery has been exchanged. Set it again.
- Depending on the model, operation may not be possible.
- In some cases, new products may not be operative.

■ **To return to TV**

TV/AV ➡

Note

- If the external equipment has an aspect adjustment function, set to "16:9".
- For details, see the manual of the equipment or ask your local dealer.

VCR DVD	**VCR / DVD switch** Select VCR / DVD
⏻	**Standby** Set to Standby mode / Turn on
▶	**Play** Playback VCR / DVD
■	**Stop** Stop the operations
◀◀	**Rewind / Slow-motion / Search** VCR: Rewind, review (during playback) DVD: Play at slow speed Press and hold to search backward
▶▶	**Fast-forward / Slow-motion / Search** VCR: Fast-forward, cue (during playback) DVD: Play at slow speed Press and hold to search forward
II	**Pause** Pause / Restart
⏮ ⏭	**Programme Up, Down / Skip** VCR: Select programme DVD: Skip the track or title
REC	**Record** Start recording

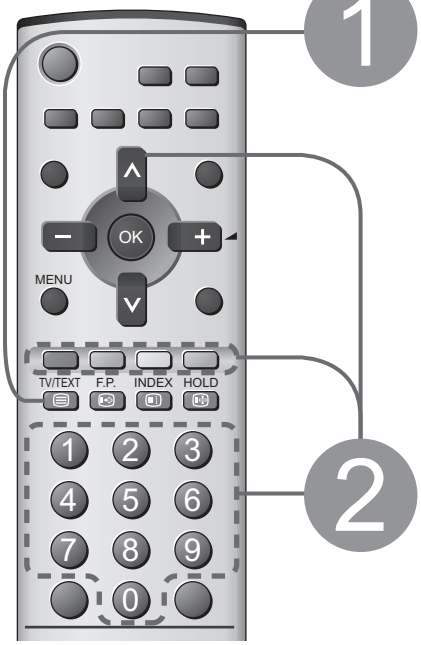
Viewing Teletext

You can enjoy teletext broadcasting, including news, weather forecasts and subtitles, if this service is provided by the broadcasters.

What is TOP mode?
In TOP mode, four differently coloured subjects are situated at the bottom of the display. To access more information about one of these subjects, press the appropriately coloured button. This facility enables fast access to information on the subjects shown.

What is List mode?
In List mode, four differently coloured page numbers are situated at the bottom of the screen. Each of these numbers can be altered and stored in the TV's memory. ("Store Frequently viewed pages", p. 13)

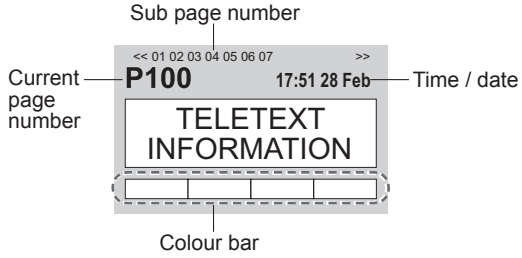
■ **To change mode** ➡ "Teletext" in Setup menu (p. 14)



Switch to Teletext

TV/TEXT

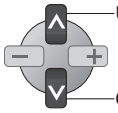
● Displays Index (content varies depending on the broadcasters)



Select the page

1 2 3
4 5 6
7 8 9
0

or



or

red green yellow blue
(Corresponds to the colour bar)

■ **To return to TV**

TV/TEXT

■ **To adjust contrast** ➡ MENU ➡

As the blue bar is displayed

■ **Using teletext conveniently**

Reveal hidden data

Reveal hidden words e.g. quiz page answers

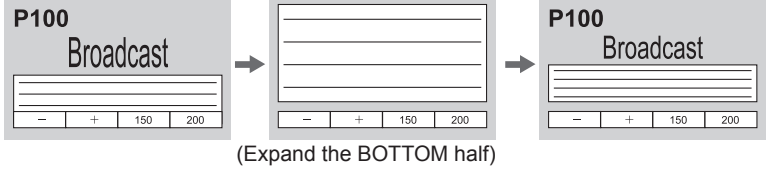
MENU ➡ red

● Re-hide ➡ red

FULL / TOP / BOTTOM

MENU ➡ green

(TOP) (BOTTOM) Normal (FULL)



(Expand the BOTTOM half)

HOLD

If you wish to hold the current page without updating

Stop or resume automatic updating

HOLD

■ **To resume** ➡ HOLD

INDEX

Return to the main index page

INDEX

● TOP mode only

Call up a favourite pages

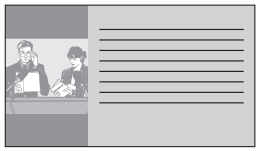
F.P.

● Call up the page stored in "blue".
● Factory setting is "P103".

View in multi window

Watch TV and Teletext in two windows at once

MENU (Press twice) ➡ ● Select Picture and text On or Off



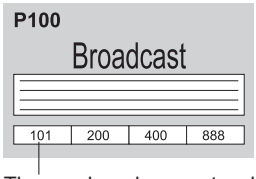
● Operations can be made only in Teletext screen.

Store frequently viewed pages

(List mode only)

Store frequently viewed pages (programme position 1 to 25) in the colour bar

As page is displayed ➡ Corresponding colour button ➡ OK hold down



The number changes to white.

■ **To change stored pages**

➡ Colour button you want to change ➡ Enter new page number (1 2 3 4 5 6 7 8 9 0) ➡ OK hold down

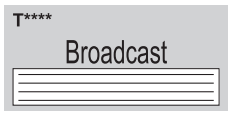
View sub page

View sub page (Only when teletext is more than one page)

Appears at upper-left corner of the screen

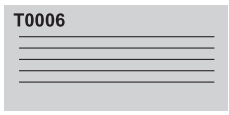
■ **To view specific sub page**

MENU ➡ blue ➡



➡ Enter the 4-digit number

example: P6 (0 0 0 6) ➡



● Sub pages:
The number of sub pages varies depending on the broadcasters (up to 79 pages).
It may take some time for searching, during which time you can watch TV.

Watch TV while waiting for update

View theTV picture while searching for a teletext page

Teletext automatically updates itself when new information becomes available.

Changes to TV screen temporarily

MENU ➡ yellow ➡

Appears when updating is completed ➡ yellow ➡ View the updated page

(You cannot change the channel.)

● The news page provides a function that indicates arrival of latest news ("News Flash").

How to Use Menu Functions

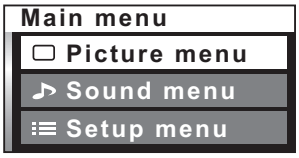
Various menus allow you to make settings for the picture, sound, and other functions so that you can enjoy watching TV in your own way.

1 Display menu

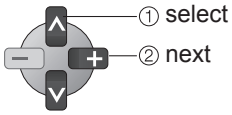
MENU

● Displays the functions that can be set (varies according to the input signal)

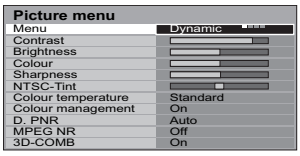
2 Select the menu



(example: Picture menu)

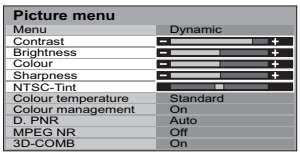


3 Select the item

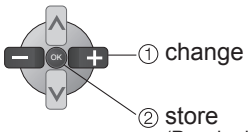


(example: Picture menu)

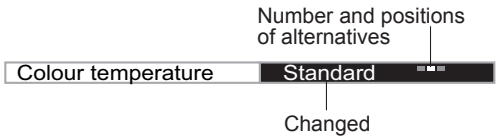
4 Adjust or select



(example: Picture menu)

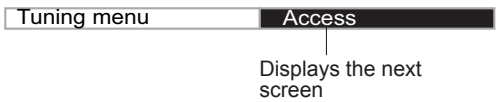


■ Choose from among alternatives



■ Adjust using the slide bar

■ Go to the next screen



■ To reset the setting

➡ Display Menu in Picture menu or Sound menu (Bass, Treble) you want to reset ➡ N

■ To return to TV

➡ TV/AV

■ To return to the previous screen

➡ MENU

■ Menu list

Menu		Item
Picture menu		Menu
	Adjust by each Menu	Contrast, Brightness, Colour, Sharpness
		NTSC-Tint
		Colour temperature
		Colour management
		D. PNR
		MPEG NR
		3D-COMB
Sound menu		Menu
		Volume
		Bass, Treble
		Balance
		Headphone volume
		Surround
		HDMI1 input
Setup menu		HDMI setting
		Teletext
		Off timer
		Ch colour set
		Child lock
		Side panel
		Power save
		Tuning menu
		Owner ID
		Colour system
		Colour matrix

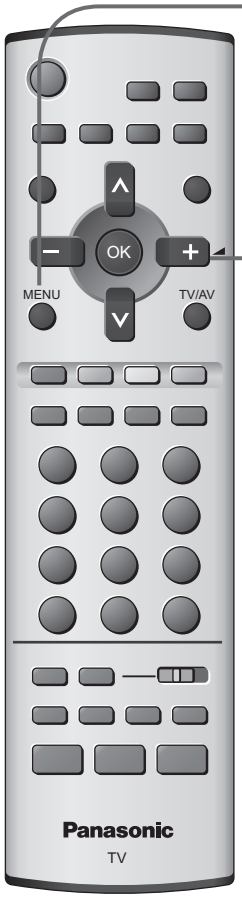
Adjustments / Configurations (alternatives)

Basic picture mode **(Dynamic / Standard / Cinema / Auto)** ● Set for each input signal	Menu — Dynamic
Adjusts colour, brightness, etc. for each picture mode to suit your taste	Contrast Brightness Colour Sharpness
Adjusts tint of image ● For NTSC signal reception only ● Item will be changed to "Tint" when receiving YUV(60Hz) or HDMI(60Hz) signal	NTSC-Tint
Chooses the colour balance of the entire image **(Cool / Standard / Warm)**	Colour temperature — Standard
Automatically adjusts colours to vivid ones **(Off / On)**	Colour management — On
Automatically reduces unwanted picture noise **(Off / Strong / Weak / Auto)** ● Set to Off when receiving a strong signal or AV input	D. PNR — Auto
Automatically reduces noise for watching DTV, DVD and VCD **(Off / Strong / Mid / Weak)**	MPEG NR — Off
Automatically makes still pictures and slow pictures look more vivid **(Off / On)** ● For PAL or NTSC signal reception only ● Not valid on S-Video, components, PC and HDMI	3D-COMB — On
Basic sound mode **(Music / News / Cinema)** ● Set for each input signal	Menu — Music
Adjusts the output volume	Volume
Adjusts the output level of deep bass, high-pitch, shrill sound for each sound mode	Bass Treble
Adjusts volume level of right and left speakers	Balance
Adjusts the volume of the headphones	Headphone volume
Gives a greater spatial effect by using dynamic enhancer **(Off / On)** ● Switching is also possible by SURROUND button on the remote control	Surround — Off
Chooses according to the signal when HDMI is connected **(Auto / Digital / Analogue)** (p. 26) ● HDMI2 terminal is for digital signal only	HDMI1 input — Auto
Control with HDMI function (p. 20)	HDMI setting — Access
Teletext display mode **(TOP / List)** (p. 12)	Teletext — TOP
Sets the time the unit automatically turns Off. **(Off / 15 / 30 / 45 / 60 / 75 / 90)** (minutes) ● Switching is also possible by OFF TIMER button on the remote control	Off timer — Off
Colour density varying between broadcast channels can be adjust to three levels for each reception channel ● Display the channel you want to adjust and set this function	Ch colour set
Child lock can be set for each channel and each AV mode Image and sound are not available during Child lock On (Black screen will appear) ● Display the channel or AV mode you want to lock and set this function	Child lock — Off
Increases the brightness of the side panel **(Off / Low / Mid / High)** ● The recommended setting is High to prevent panel "after-image"	Side panel — Off
Reduces brightness of picture to economise on power consumption **(Off / On)**	Power save — Off
Edits or sets channels (p. 16)	Tuning menu — Access
Inputs the owner ID (p. 18)	Owner ID — Access
Selects optional colour system based on video signals in AV mode	Colour system — Auto
Displayed during AV mode Available only with 480p or 576p input signals in a natural colour from digital equipment connected to AV2 / AV3 Component or HDMI1 / HDMI2 terminals Select SD or HD to adjust suitable colour parameters for SD (standard definition) or HD (high definition) ● SD: Input signal is a normal TV system ● HD: Input signal is a High-Definition system	Colour matrix — SD

● A different menu will be displayed while PC is used. (p. 19)
● In AV mode, the Sound menu and Setup menu change a number of options.

Editing and Setting Channels

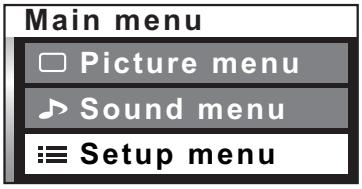
The current channel settings can be changed according to your needs and reception conditions.
For Auto tuning, see p. 9.

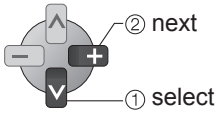


1 Display the menu

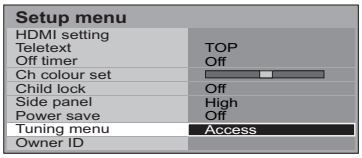
MENU

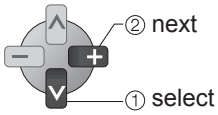
2 Select "Setup menu"



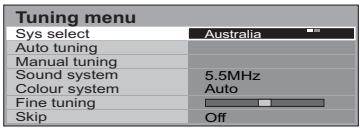


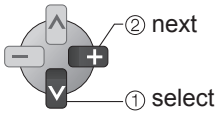
3 Select "Tuning menu"





4 Select the function



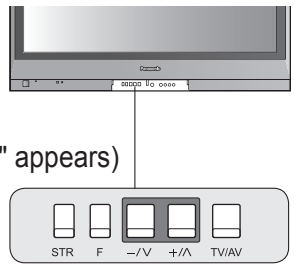


5 Set

■ **To exit**

➡ TV/AV

For Auto tuning, using the buttons on the unit
("Tuning mode" on p. 7)



① F (Press repeatedly until "Tuning mode" appears)

② –/V or +/Λ (Access Tuning menu)

③ F (Press repeatedly until "Auto tuning" is reached)

④ –/V or +/Λ (Searching channels)

■ **To return to TV**

➡ TV/AV

● Not available when Child lock in Setup menu is set (p. 14).

Set manually
Manual tuning

Edit
Sound system

Edit
Colour system

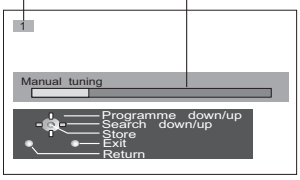
Small adjustment
Fine tuning

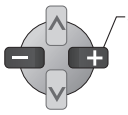
Skip the programme
Skip

To freely change settings after Auto setup

① Select the programme number and search through the channel

Programme number　Channel





② Store

OK

- The programme number blinks.

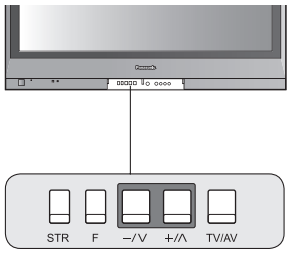
③ Repeat ① and ②

Note

- If a VCR is connected with only the RF cable, select programme number "0".

For Manual tuning, using the buttons on the unit

("Tuning mode" on p. 7)



① F (Press repeatedly until "Tuning mode" appears)

② −/V or +/Λ (Access Tuning menu)

③ F (Press repeatedly until "Manual tuning" is reached)

④ −/V or +/Λ (Access Manual tuning)

⑤ TV/AV (Programme, Channel (not displayed), Sound system)

⑥ −/V or +/Λ (Change programme, Start searching channels, Change sound system)

⑦ STR (Store)

⑧ ⑤-⑦ (Repeat)

- Not available when Child lock in Setup menu is set (p. 14).

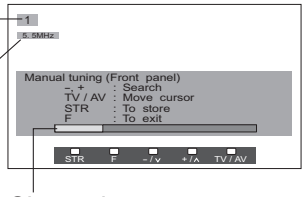
■ To return to TV

➡ F

Programme number (flash)

Sound system (flash)

Channel



If the sound is weak or distorted, change the sound system used for a programme channel. **(5.5MHz / 6.5MHz)**

Display the channel you want to adjust ➡ Set this function ➡ OK

If the image is strange, change the colour system to the correct transmition signal being received. **(Auto / PAL / NTSC 4.43 / NTSC 3.58)**

Display the channel you want to adjust ➡ Set this function ➡ OK

- Normally, select "Auto"

For the small adjustments to the tuning of an individual channel (useful for example when weather conditions are affecting reception quality of a programme)

Display the channel you want to adjust ➡ Set this function ➡ OK

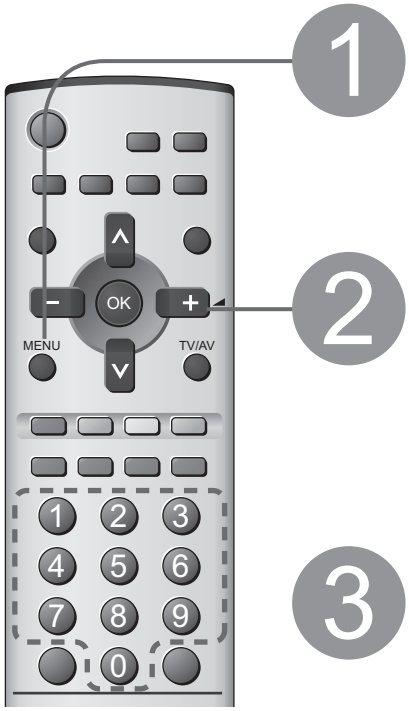
- To cancel Fine tuning, tune again by Manual tuning

For the skip programme numbers which have no tuning datas

Display the channel you want to skip ➡ Set "Skip" to "On" ➡ OK

- This function is only effective when pressing the Programme number up or down button either on the TV unit or on the remote control.

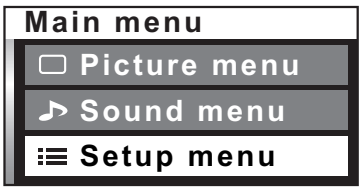
Owner ID

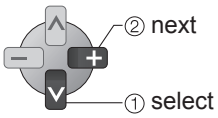


1 Display the menu

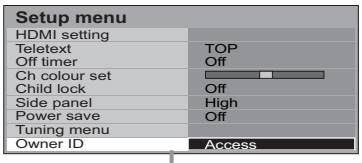
MENU

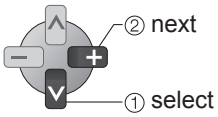
2 Select "Setup menu"





3 Select "Owner ID"





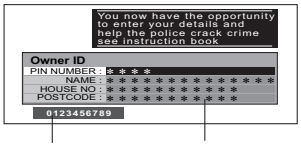
■ To exit

TV/AV

Input owner ID

Entry of the security code (PIN number) and "personal information" (your name, address and zip code) in the unit allows the police to quickly trace the owner in case of theft.
If a PIN number has already been stored, personal information can be changed by entering that number.

① Enter the 4-digit PIN number


You now have the opportunity to enter your details and help the police crack crime see instruction book
Owner ID
PIN NUMBER : * * * *
NAME : * * * * * * * * * * * * * *
HOUSE NO : * * * * * * * * * *
POSTCODE : * * * * * * * * * *
0123456789

Characters Entry field

■ To change the stored information

Enter the PIN number ➡ OK

0 - 9

● Make a note of the PIN number in case you forget it.

② Enter your name, address, and zip code, in that order

Select the entry field

Select characters

To next character

③ Store

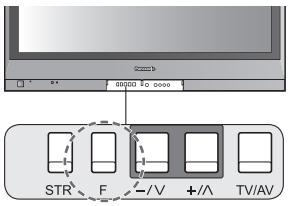
OK — store

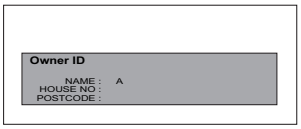
To check the "personal information" stored

Hold down for about 6 sec.

F

Displays the information on the screen (for several sec.)

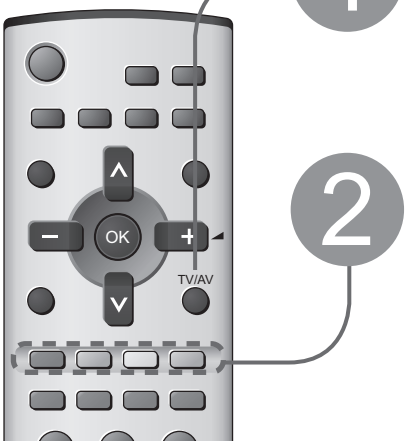




● The PIN number is not displayed.

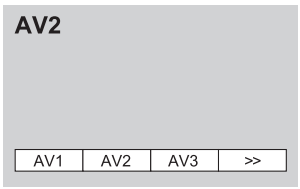
Displaying PC Screen on TV

The screen of the PC connected to the unit can be displayed on the TV.
You can also listen to PC sound with the audio cable connected. To connect PC (p. 22)



1 Select the external input

TV/AV



2 Select "PC"

① blue (To next page)

② yellow

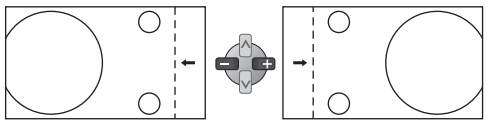
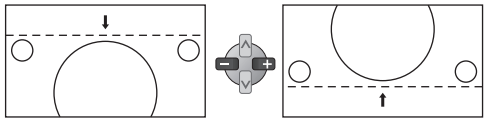
Displays PC screen

- Corresponding signals (p. 27)
- If "H-freq." or "V-freq." is shown in red, the signals may not be supported.

■ To return to TV ➡ TV/AV

■ PC menu setting (changed as desired)

- Making settings ➡ "How to Use Menu Functions" 1 to 4 (p. 14)

Menu	Item		Adjustments / Configurations(options)	
Picture menu	Menu, Contrast, Brightness, Sharpness, Colour temperature (p. 14)			
	Advanced setting	W/B High R	White balance of bright red area	① and ② repeatedly adjusted
		W/B High B	White balance of bright blue area	
		W/B Low R	White balance of dark red area	
		W/B Low B	White balance of dark blue area	
		Gamma	(2.0 / 2.2 / 2.5 / S Curve)	
Setup menu	PC setup	Input resolution	Switches to a wide view ● VGA (640 x 480 dots), WVGA (852 x 480 dots), XGA (1,024 x 768 dots), WXGA (1,366 x 768 dots) ● Options change depending on signals	
		Clock	Set to the minimum level if noise occurs	
		H-pos	Adjust horizontal position 	
		V-pos	Adjust vertical position 	
		Clock phase	Eliminate flicker and distortion ● Adjust after Clock adjustment ● Set to the minimum level if noise occurs	
		Sync	Chooses another synchronous signal if the image is distorted (H&V / On G) ● H&V : by the horizontal and vertical signals from your PC On G : by the green signal from your PC (if available)	
	Side panel, Power save (p. 14)			

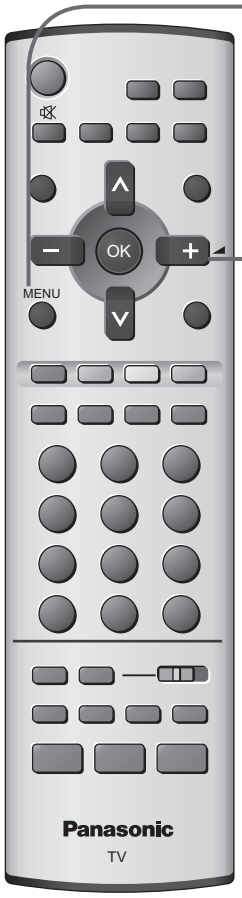
- Sound menu (p. 14)

External Equipment

Control with HDMI "HDAVI Control™"*

*Enjoy additional HDMI Inter-Operability with Panasonic products which have "HDAVI Control" function. HDMI connections to some Panasonic equipments (Panasonic DVD Recorder DIGA, Panasonic Player theatre, Panasonic Amplifier, etc.) allow you to enjoy the easy playback or home theatre.
About connections, see p. 21. Read the manuals of the equipment too.
Non-HDMI-compliant cables cannot be utilized.
About applicable equipments, consult your local Panasonic dealer.

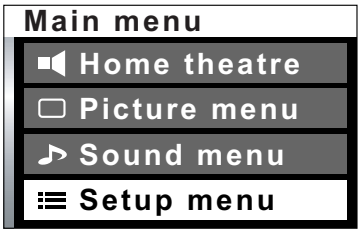
Preparations
(For the first time / When adding new equipment, reconnecting equipment or changing setup)
After connection turn the equipment on and then switch the TV unit on.
Select the input mode to HDMI1 or HDMI2 (p. 11), and make sure that an image is displayed correctly.

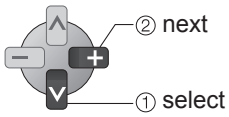


1 Display the menu

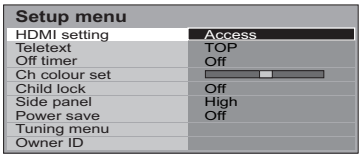
MENU

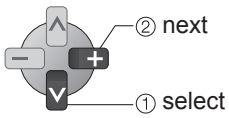
2 Select "Setup menu"



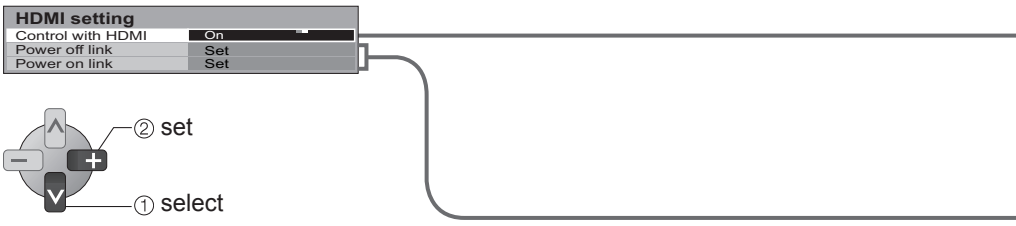


3 Select "HDMI setting"





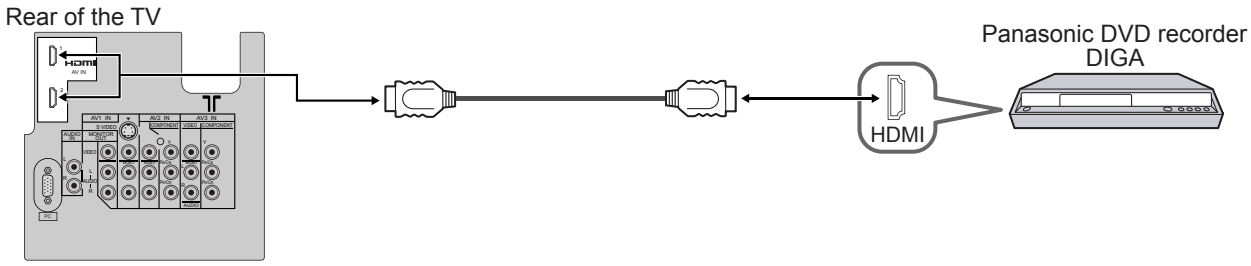
4 Select "Control with HDMI" and set to "On"



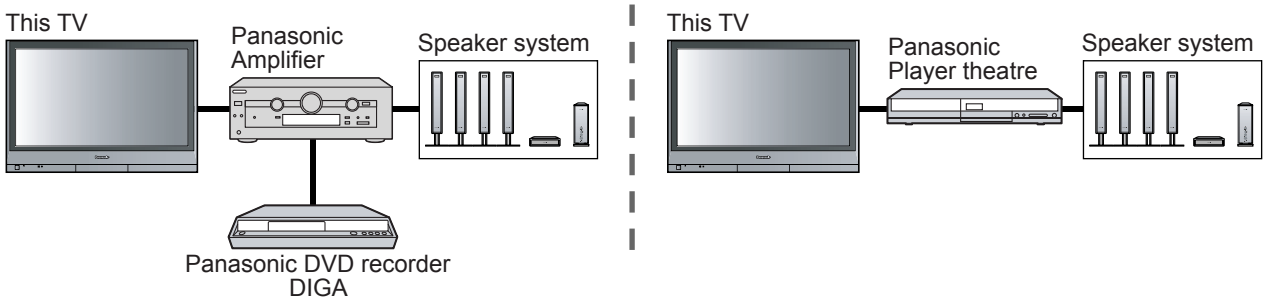
- It is recommended that you use Panasonic's HDMI cable.
  Recommended part number:
  RP-CDHG15 (1.5 m)
  RP-CDHG30 (3.0 m)
  RP-CDHG50 (5.0 m)

Connections for Control with HDMI

■ Easy playback



■ Home theatre



Read the manuals of Panasonic Amplifier or Player theatre for details.

Easy playback

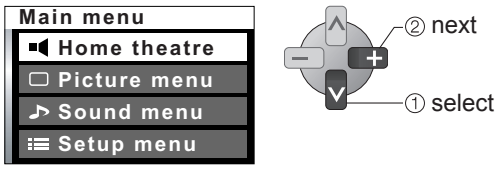
Automatic Input switching-When the connected Panasonic equipment is operated, input mode is switched automatically. When it is stopped operating, input mode is not returned.

Theatre speaker

You can control the theatre speaker with TV's remote control.
This function is available when Panasonic Amplifier or Player theatre is connected.

① **Display the menu** ➡ MENU

② **Select "Home theatre" or "TV speaker"**



■ Home theatre:
Adjustment for equipment (automatically turned on if it is in Standby mode)

Volume up / down ➡

Mute ➡

■ TV speaker:
TV speakers are active.

- When selecting "Home theatre", the sound of TV speakers is mute.
- When the equipment is turned off, TV speakers will be active.

Power on link

Set to "Set"
➡ When the connected Panasonic equipment is operated, TV is also automatically turned on and the content is reproduced. (Only when TV is in Standby mode.)

Power off link

Set to "Set"
➡ When TV is set to Standby mode, the connected Panasonic equipment is also automatically set to Standby.

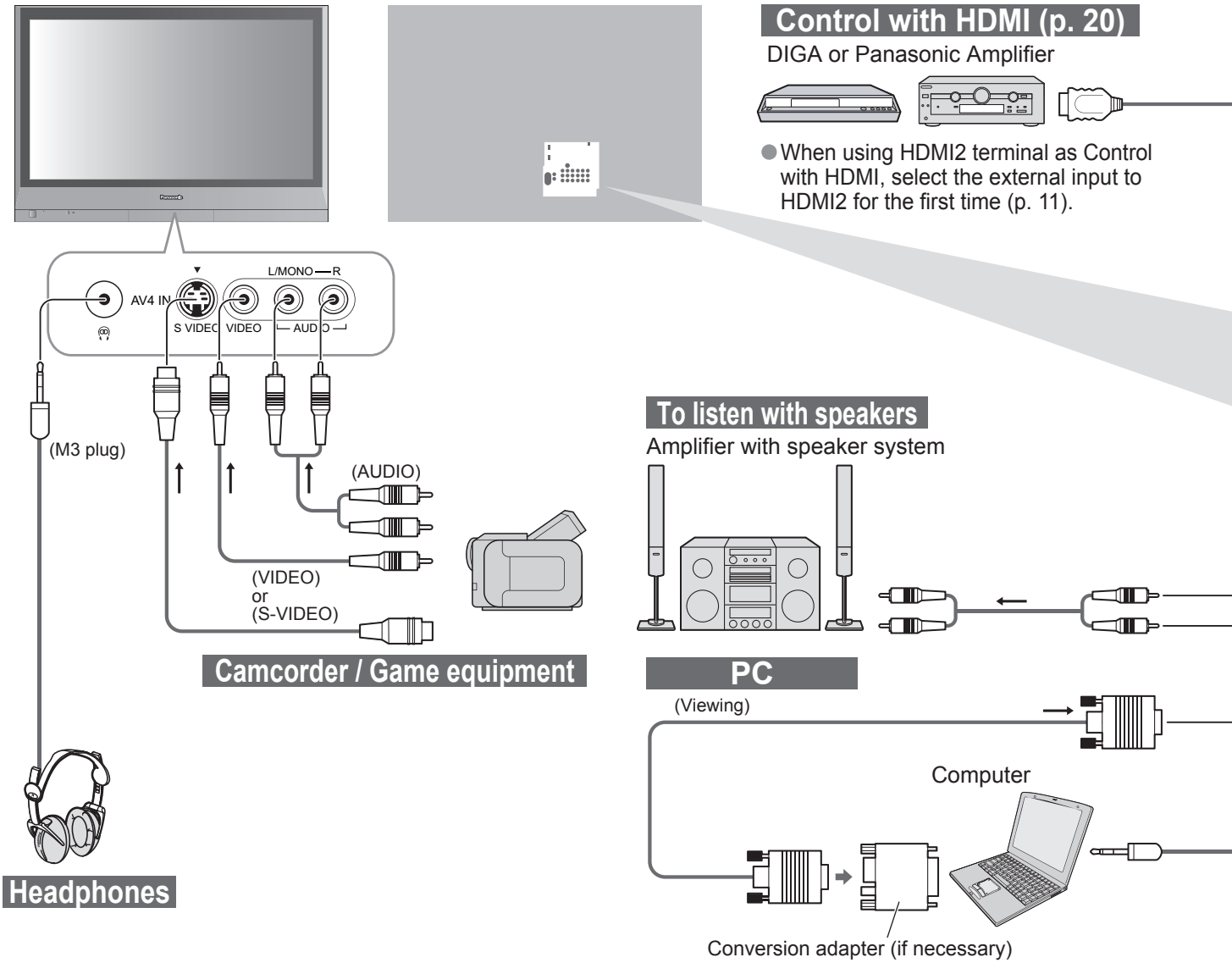
Note

- The TV remains on even if the "Control with HDMI" compatible equipment is turned off.

External Equipment

Connections

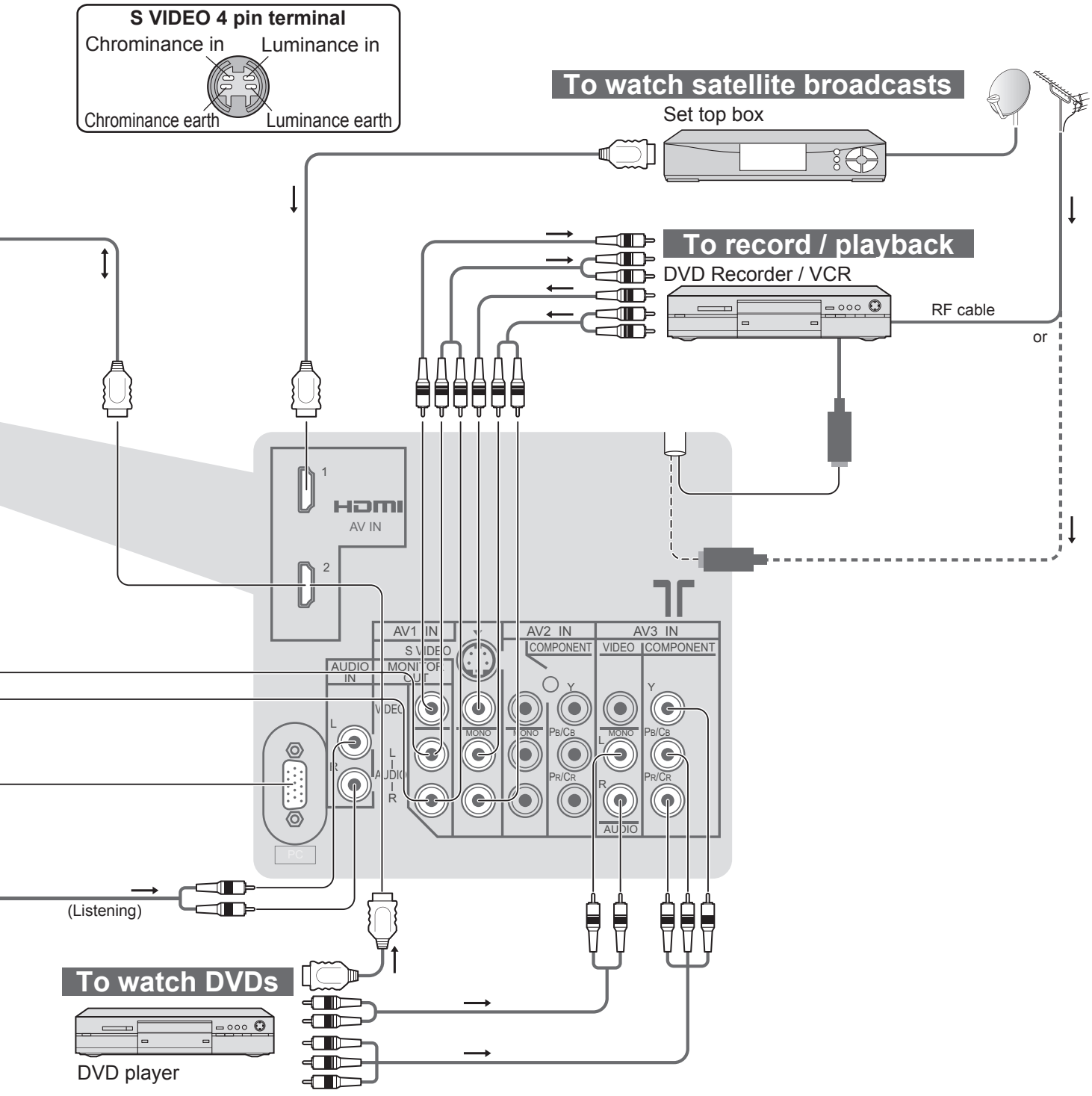
These diagrams show our recommendations for how to connect the TV unit to your various equipment. For other connections, consult the instructions of each equipment, the table below, and the specifications (p. 30).



Types of connectable equipment to each connector

Recording / Playback (equipment) \ Connector	AV1 IN	AV2 IN	AV3 IN	
■To record / playback videocassettes / DVDs (VCR / DVD recorder)	○	○	○	
■To watch DVDs (DVD player)	○	○	○	
■To watch camcorder images (Video camera)	○	○	○	
■To watch satellite broadcasts (Set top box)		○	○	
■To play games (Game equipment)	○	○	○	
■Control with HDMI				

○: Recommended Connection



AV4 IN	MONITOR OUT	HDMI 1	HDMI 2
○	○		
○		○	○
○			
		○	
○			
		○	○

- Connect the S-VIDEO or VIDEO terminal when using AV1 / AV4 IN terminals.
- Connect the COMPONENT or VIDEO terminal when using AV2 / AV3 IN terminals.

Technical Information

Channel Allocation

Sys select	NZ/INDONES	Australia
CH DISPLAY	RECEIVE CHANNEL	
0	–	–
1	1	0
2	2	1
3	≀	2
4	≀	3
5	≀	4
6	≀	5
7	≀	S2
≀	≀	≀
11	11	≀
12	–	≀
13	–	≀
14	–	≀
15	–	S10
16	–	6
≀	–	≀
19	–	9
20	–	9A
21	21	10
22	≀	11
23	≀	12
24	≀	S11
≀	≀	≀
28	≀	≀
≀	≀	≀
57	≀	S44
58	≀	20
59	≀	21
≀	≀	≀
62	62	≀
63	63	≀
≀	≀	≀
69	69	≀
70	–	≀
≀	–	≀
73	–	≀
74	S'1	≀
75	S'2	≀
76	S'3	≀
77	–	≀
78	–	≀
79	–	≀
80	S1	≀
81	S2	≀
≀	≀	≀
89	S10	≀
90	S11	≀
91	S12	≀
92	S13	≀
93	S14	≀
94	S15	≀
95	S16	≀
96	S17	≀
97	S18	≀
98	S19	≀
99	S20	≀
100	S21	≀
≀	≀	≀
107	≀	69
≀	≀	–
117	≀	–
118	≀	–
≀	≀	–
120	S41	–
≀	–	–
125	–	–

Aspect Ratio

The optimum size and aspect can be chosen, and you can enjoy finer images. (p. 10)

Signal name		Aspect modes							
		16:9	14:9	Just	4:3	4:3 Full	Zoom1	Zoom2	Zoom3
TV/AV1/AV2/AV3/AV4	PAL I	O	O	O	O	–	O	O	O
	PAL 525/60	O	O	O	O	–	O	O	O
	M.NTSC	O	O	O	O	–	O	O	O
	NTSC	O	O	O	O	–	O	O	O
Component/HDMI	480i (60 Hz)	O	O	O	O	–	O	O	O
	480p (60 Hz)	O	O	O	O	–	O	O	O
	576i (50 Hz)	O	O	O	O	–	O	O	O
	576p (50 Hz)	O	O	O	O	–	O	O	O
	720p (50 Hz)	O	O	O	O	O	O	O	O
	720p (60 Hz)	O	O	O	O	O	O	O	O
	1080i (50 Hz)	O	O	O	O	O	O	O	O
	1080i (60 Hz)	O	O	O	O	O	O	O	O
PC input		O	–	–	O	–	–	–	–

Note

- The ratio varies depending on the programme, etc. If the ratio is greater than the standard "16:9", black bands may appear at the top and bottom of the screen.
- If the screen size looks unusual when a widescreen-recorded programme is played back on a VCR, adjust the tracking of the VCR. (See the VCR manual.)
- To select the ratio manually: (Only "16:9" or "4:3" in PC mode)

16:9

Directly displays the image at "16:9" without distortion (anamorphic).

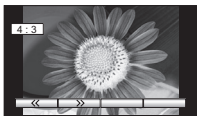
14:9

Displays the image at the standard "14:9" without enlargement.

Just

Displays a 4:3 image full-screen. Stretching is only noticeable at the left and right edges.

4:3

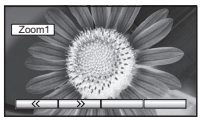


Displays the image at the standard "4:3" without distortion.

4:3 Full

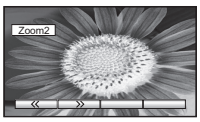
Displays a "4:3" image enlarged horizontally to fit the screen.

Zoom1



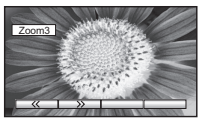
Displays a "16:9" letterbox or "4:3" image without distortion.

Zoom2



Displays a "16:9" letterbox (anamorphic) image full-screen without distortion.

Zoom3



Displays a "21:9" letterbox (anamorphic) image full-screen without distortion. At "16:9", displays the image at its maximum (with slight enlargement).

Technical Information

HDMI connection

HDMI (high-definition multimedia interface) allows you to enjoy high-definition digital images and high-quality sound by connecting the TV unit and the equipment.
HDMI-compatible equipment (∗1) with an HDMI or DVI output terminal, such as a set top box or a DVD player, can be connected to the HDMI terminal using an HDMI compliant (fully wired) cable.

- HDMI is the world's first complete digital consumer AV interface complying with a non-compression standard.
- If the external equipment has only a DVI output, connect to the HDMI1 terminal via a DVI to HDMI adapter cable (∗2).
- When the DVI to HDMI adapter cable is used, connect the audio cable to the audio input terminal.
- Audio settings can be made on the "HDMI1 input" menu screen. (p. 14)
- Applicable audio signal sampling frequencies (2ch L.PCM): 48 kHz, 44.1 kHz, 32 kHz

(∗1): The HDMI logo is displayed on an HDMI-compliant equipment. (∗2): Enquire at your local digital equipment retailer shop.

Note

- HDMI2 terminal is for digital signal only.
- Use with a PC is not assumed.
- The 720p/1080i signals will be reformatted before being displayed on the screen.
- If the connected equipment has an aspect adjustment function, set the aspect ratio to "16:9".
- These HDMI connectors are "type A".
- An equipment having no digital output terminal may be connected to the input terminal of either "Component", "S-VIDEO", or "Video" to receive analogue signals.
- The HDMI input terminal can be used with only the following image signals:
  480i, 480p, 576i, 576p, 720p and 1080i. Match the output setting of the digital equipment.
- For details of the applicable HDMI signals, see p. 27.
- DVI picture position is controlled by the source equipment (ie; STB, DVD player etc.). If you experience picture position errors using DVI to HDMI adapter cable, please contact the source equipment manufacturer.

PC connection

A PC may be connected to this TV unit so that the PC screen is displayed and sound is heard from the TV.

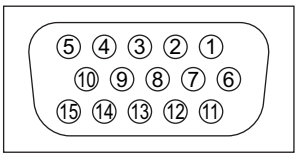
- PC signals that can be inputted: Horizontal scanning frequency 31 to 69 kHz; vertical scanning frequency 59 to 86 Hz (more than 1,024 signal lines could result in incorrect display of the image).
- A PC adapter is not necessary for the DOS/V-compliant D-sub 15-pin connector.

Note

- Some PC models cannot be connected to this TV unit.
- For details of the applicable PC signals, see p. 27.
- Max. display resolution

Aspect \ Model No.	TH-42PV60A	TH-50PV60A
4:3	768 × 768 dots	1,024 × 768 dots
16:9	1,024 × 768 dots	1,366 × 768 dots

- D-sub 15-pin connector signal



Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
①	R	⑥	GND (Ground)	⑪	NC (not connected)
②	G	⑦	GND (Ground)	⑫	NC (not connected)
③	B	⑧	GND (Ground)	⑬	HD/SYNC
④	NC (not connected)	⑨	NC (not connected)	⑭	VD
⑤	GND (Ground)	⑩	GND (Ground)	⑮	NC (not connected)

Control with HDMI

HDMI connections to some Panasonic equipments allow you to enjoy the easy playback or home theatre.

- Setup the equipment to enable this function. Read the manual of the equipment.
- Switch the TV unit on again with the equipment on when connection or setup is changed.
- This function may not work normally depending on the equipment condition.
- The equipment can be operated by TV's remote control with this function on even if TV is in Standby mode.
- Image or sound may not be available for the first few seconds when the playback starts.
- Image or sound may not be available for the first few seconds when Input mode is switched.
- Volume function will be displayed when adjusting the volume of the equipment.
- Easy playback is also available by using the remote control for Amplifier. Read the manuals of Amplifier.
- "Control with HDMI" function is not possible using DVI connection.

Stereo / Bilingual Sound Selection

ⅭⅭ/▽ I/Ⅱ When you receive the stereo / bilingual sound system, sound output modes can be selected by pressing the **Stereo / Bilingual Sound Selection** button.

Audio Signal	STEREO	MAIN Ⅰ	SUB Ⅱ	MONO
Mode Indicator	ⅭⅭ	Ⅰ	Ⅱ	▽

NICAM .....Used in New Zealand, Singapore, Hong Kong etc.

Type of broadcast	Regular broadcast (Standard Audio)	Regular + NICAM MONO Ⅰ (MAIN Ⅰ)	NICAM STEREO	NICAM DUAL MONO (MAIN Ⅰ / SUB Ⅱ)
Mode Indicator	No Indicator ⟷ ▽	Ⅰ ⟷ ▽	ⅭⅭ ⟷ ▽	Ⅰ → Ⅱ ↔ ▽

A2(German) .....Used in Australia, Malaysia etc.

Type of broadcast	Regular broadcast (Standard Audio)	BILINGUAL or DUAL MONO: MAIN Ⅰ / SUB Ⅱ	STEREO
Mode Indicator	No Indicator ⟷ ▽	Ⅰ ⟷ Ⅱ	ⅭⅭ ⟷ ▽

Note

- If the stereo signal is poor or the receiving conditions are not optimum or if STEREO:MONO automatic switching occurs, it is recommended you switch from STEREO to MONO.
- Even when the contents of the receiving signal undergo changes, selection mode is kept intact.
- When the receiving conditions deteriorate, listening will be easier if the mode is set to the MONO position, using the stereo / bilingual sound selection button.
- DUAL, also known as DUAL MONO or as BILINGUAL is not currently transmitted in some countries.

Input signal that can be displayed

* Mark: Applicable input signal for Component (Y, P_B/C_B, P_R/C_R), HDMI and PC (D-sub 15P)

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component	HDMI	PC
480i (60 Hz)	15.73	59.94	*	*	
480p (60 Hz)	31.47	59.94	*	*	
576i (50 Hz)	15.63	50.00	*	*	
576p (50 Hz)	31.25	50.00	*	*	
720p (60 Hz)	45.00	60.00	*	*	
720p (50 Hz)	37.50	50.00	*	*	
1,080i (60 Hz)	33.75	60.00	*	*	
1,080i (50 Hz)	28.13	50.00	*	*	
1,080i (50 Hz)*1	31.25	50.00	*		
640 × 400 @70 Hz	31.46	70.07			*
640 × 480 @60 Hz	31.47	59.94			*
640 × 480 @75 Hz	37.50	75.00			*
800 × 600 @60 Hz	37.88	60.32			*
800 × 600 @75 Hz	46.88	75.00			*
800 × 600 @85 Hz	53.67	85.06			*
1,024 × 768 @60 Hz	48.36	60.00			*
1,024 × 768 @70 Hz	56.48	70.07			*
1,024 × 768 @75 Hz	60.02	75.03			*
1,024 × 768 @85 Hz	68.68	85.00			*
1,280 × 1,024 @60 Hz	63.98	60.02			*
Macintosh13” (640 × 480)	35.00	66.67			*
Macintosh16” (832 × 624)	49.72	74.54			*
Macintosh21” (1,152 × 870)	68.68	75.06			*

*1 Based on SMPTE295M standard

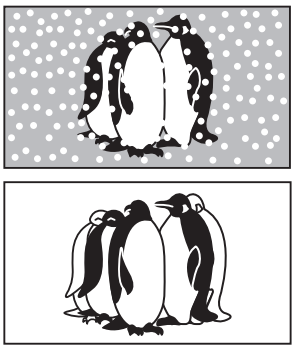
Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

FAQs

Before requesting service or assistance, please follow these simple guides to resolve the problem.
If problem still persists, please contact your local Panasonic dealer or Panasonic Customer Care Centre for assistance.

White spots or shadow images (noise)



- Check the position, direction, and connection of the aerial.

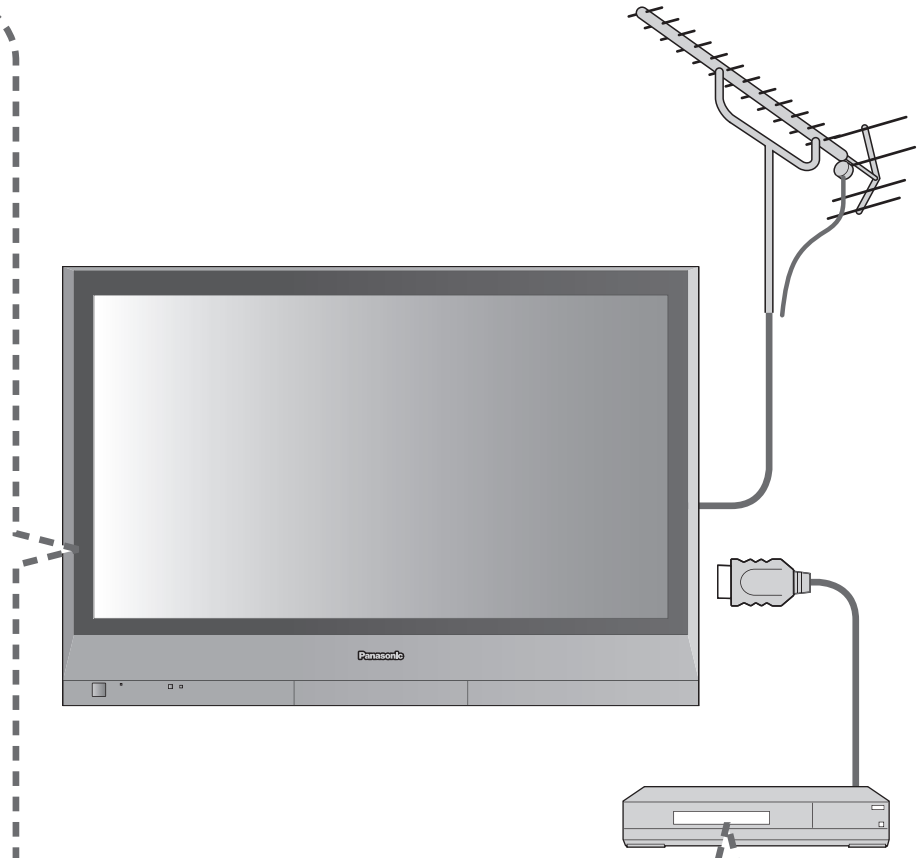
VIERA logo appears at the four corners of the screen

Contrast is reduced

- The function to prevent after-image is activated.
  (Not a faulty symptom)
  - The screen saver is activated if the TV unit is not operated for a certain time in AV mode.
  - Contrast is lowered when radio, menu, etc. lasts for several minutes.
  - "after-image" (p. 5)

Only one part remains dark

- A pixel or luminescent spot may occasionally be missing in plasma displays.
  (Not a faulty symptom)



Pictures from an equipment are unusual when the equipment is connected via HDMI

- Is the HDMI cable connected properly? (p. 22)
- Turn Off the TV unit and equipment, then turn them On again.
- Check an input signal from the equipment. (p. 27)
- Use an equipment compliant with EIA/CEA-861/861B.

The remote control does not work

- Are the batteries installed correctly? (p. 6)
- Has the TV unit been switched On?

	Problem	Actions
Screen	**Chaotic image, noisy**	● Set "D. PNR" in the Picture menu (to remove noise). (p. 14) ● Check nearby electrical products (car, motorcycle, fluorescent lamp).
	No image can be displayed	● Is "Colour" or "Contrast" in the Picture menu set to the minimum? (p. 14) ● Check "Colour system" (p. 16)
	Blurry or distorted image (no sound or low volume)	● Reset channels. (pp. 9 and 16)
	Neither image nor sound is produced	● Is the unit in "AV mode"? ● Is the mains lead plugged into the socket outlet? ● Is the TV unit turned On? ● Check Picture menu (p. 14) and volume.
Sound	**No sound is produced**	● Is "Sound Mute" active? (p. 7) ● Is the volume set to the minimum?
	Sound level is low or sound is distorted	● Sound signal reception may be deteriorated. ● Check "Sound system" (p. 16)
HDMI	**Sound is unusual**	● Set the sound setting of the connected equipment to "2ch L.PCM". ● Check the "HDMI1 input" setting in the Sound menu. (p. 14) ● If digital sound connection has a problem, select analogue sound connection. (p. 26)
	An error message appears	● Contact the authorized Service Centre.
	"Control with HDMI" function does not work	● Switch the TV unit on again with the equipment on. ● Set "Control with HDMI" to "Off", then set to "On" again. (p. 20)
Other	**TV unit goes into "Standby mode"**	● The sleep function is activated. ● The TV unit enters "Standby mode" about 30 min. after broadcasting ends.
	An error message appears	● Follow the message's instructions. ● If the problem persists, contact the authorized Service Centre.

Specifications

			TH-42PV60A	TH-50PV60A
Power Source			AC 220-240 V, 50 / 60 Hz	
Power Consumption	**Average use**		341 W	448 W
	Standby condition		0.3 W	
Plasma Display panel	**Drive method**		AC type	
	Aspect Ratio		16:9	
	Contrast Ratio		Max 10000:1	
	Visible screen size (No. of pixels)		106 cmV	127 cmV
			920 mm (W) × 518 mm (H) × 1,056 mm (diagonal)	1,106 mm (W) × 622 mm (H) × 1,269 mm (diagonal)
			786,432 (1,024 (W) × 768 (H)) [3,072 × 768 dots]	1,049,088 (1,366 (W) × 768 (H)) [4,098 × 768 dots]
Sound	**Speaker**		12 cm × 6 cm × 2 pcs, 8 Ω	
	Audio Output		20 W (10 W + 10 W), 10% THD	
	Headphones		M3 (3.5 mm) Jack × 1	
PC signals			VGA, SVGA, XGA SXGA ····· (compressed) Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz	
Receiving Systems / Band name			1. PAL B/G — Reception of Off air broadcasts 2. NTSC 4.43 — Playback from Video Tape Recorders 3. NTSC 3.58 — Playback from Special Video Tape Recorders and Special Video Disc Players 4. PAL 60Hz — (Via the AV Sockets) only.	
Receiving Channels			VHF 0 to 12 UHF 21 to 69 S'1 to S'3 S1 to S41	PAL B PAL G HYPER TUNER (One tuner)
Aerial - Rear			VHF / UHF	
Operating Conditions			**Temperature** : 0 °C - 40 °C **Humidity** : 20 % - 80 % RH (non-condensing)	
Connection Terminals	**AV1 Input**	**AUDIO L - R**	RCA PIN Type × 2	0.5 V[rms]
		VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
		S VIDEO	Mini DIN 4-pin	Y:1.0 V[p-p] (75 Ω) C:0.286 V[p-p] (75 Ω)
	AV2 Input	**AUDIO L - R**	RCA PIN Type × 2	0.5 V[rms]
		VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
		COMPONENT	Y PB/CB, PR/CR	1.0 V[p-p] (including synchronization) ±0.35 V[p-p]
	AV3 Input	**AUDIO L - R**	RCA PIN Type × 2	0.5 V[rms]
		VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
		COMPONENT	Y PB/CB, PR/CR	1.0 V[p-p] (including synchronization) ±0.35 V[p-p]
	AV4 Input	**AUDIO L - R**	RCA PIN Type × 2	0.5 V[rms]
		VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
		S VIDEO	Mini DIN 4-pin	Y:1.0 V[p-p] (75 Ω) C:0.286 V[p-p] (75 Ω)
	Others	**HDMI1/2 Input**	TYPE A Connectors	
		PC Input	HIGH-DENSITY D-SUB 15PIN	R, G, B/0.7 V[p-p] (75 Ω) HD, VD/TTL Level 2.0 - 5.0 V[p-p] (high impedance)
		Audio Input	RCA PIN Type × 2	0.5 V[rms]
	Monitor Output	**AUDIO L - R**	RCA PIN Type × 2	0.5 V[rms] (high impedance)
		VIDEO	RCA PIN Type × 1	1.0 V[p-p] (75 Ω)
Dimensions (W × H × D)			1,020 mm × 705 mm × 95 mm	1,210 mm × 818 mm × 95 mm
Weight			30.0 kg Net	40.0 kg Net

Note

- Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

WARRANTY - Australia only

1. The product is warranted for 12 months from the date of purchase. Subject to the conditions of this warranty Panasonic or it's Authorised Service Centre will perform necessary service on the product without charge for parts or labour if, in the opinion of Panasonic, the product is found to be faulty within the warranty period.
2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia or its Authorised Distributors or Dealers and only where the products are used and serviced within Australia or it's territories. Warranty cover only applies to service carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when warranty service is requested.
3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
   (a) Video or Audio Tapes
   (b) Video or Audio Heads and Stylii resulting from wear and tear in normal use
   (c) Shaver Heads or Cutters
   (d) Cabinet Parts
   (e) User replaceable Batteries
   (f) Thermal Paper, Toner/Ink Cartridges, Drums, Developer, Film (Ink/Ribbon), Film Cartridge, Printer Heads
   (g) Microwave Oven cook plates.
   (h) Kneader mounting shaft unit (bread bakery)
5. If warranty service is required you should:
   • Telephone Panasonic's Customer Care Centre on 132600 or visit our website and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
   • Send or bring the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
   • Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:
   (a) Picture tube (CRT) based Television Receivers (screen sizes greater than 66cm); Rear Projection TV's; Plasma/LCD televisions / displays (screen size greater than 103 cm)
   (b) Convection/Combination Microwave Ovens
   (c) Whiteboard (except portable type)
6. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.

Unless otherwise specified to the consumer the benefits conferred by this express warranty are additional to all other conditions, warranties, guarantees, rights and remedies expressed or implied by the *Trade Practices Act 1974* and similar consumer protection provisions contained in legislation of the States and Territories and all other obligations and liabilities on the part of the manufacturer or supplier and nothing contained herein shall restrict or modify such rights, remedies, obligations or liabilities. *November 2005*

THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

If you require assistance regarding warranty conditions or any other enquiries, please visit the Panasonic Australia website

www.panasonic.com.au or by phone on 132 600

If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited
ACN 001 592 187 ABN 83 001 592 187

Locked Bag 505, Frenchs Forest, NSW 2086
www.panasonic.com.au

PRO-031-F01 Issue: 3.0 **23-11-2005**

WARRANTY - New Zealand only

WE WARRANT that the Panasonic Television that you have purchased is free from defects in material and workmanship under normal home use and service.

Accordingly, we undertake to repair, or at our option, replace without cost to the owner, either for material or labour, any part which within 12 months from the date of delivery is found to be defective, provided that the appliance has been used for domestic purposes only and in accordance with the instructions given in the Instruction Book and not been subjected to misuse, neglect or installed, dismantled, repaired or serviced by any other than an authorised Panasonic New Zealand Dealer or Panasonic New Zealand Authorised Service Centre.

NOTE

- Before reporting a fault, please ensure that you read the item "Troubleshooting" in the information section of your Panasonic Instruction Book.
- It is important to retain your proof of purchase as this will be required by the serviceman or retailer as proof of purchase date, should service be required.
- In the event of service being required, contact your Panasonic New Zealand retailer or Panasonic New Zealand Authorised Service Centre.

IMPORTANT

Any request for warranty service must be through an Authorised Panasonic New Zealand Service Centre who during the period of the warranty, undertakes to make any necessary adjustment and fit any replacement part supplied by the manufacturer, during normal working hours, or alternatively will arrange for such service to be provided by some other Panasonic New Zealand Authorised Service Centre.

NEW ZEALAND

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- HDAVI Control™ is a trademark of Matsushita Electric Industrial Co., Ltd.

Customer's Record

The model number and serial number of this product may be found on its rear panel. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number _____ Serial Number _____

Matsushita Electric Industrial Co., Ltd.

Web Site : http://www.panasonic.co.jp/global/

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Printed in Japan
MBS0206S2046